Welcome to bi-weekly Heavy Flavor Topical Group meeting

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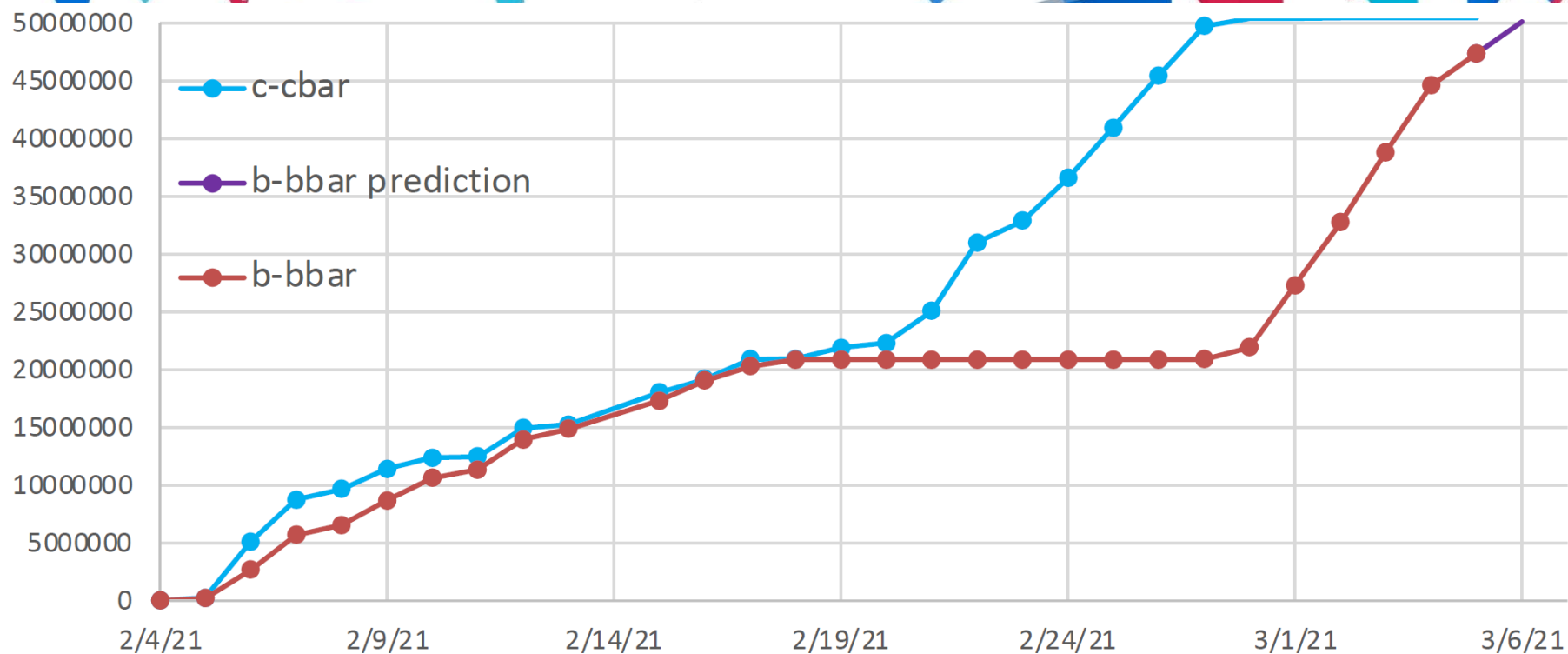
Hideki Okawa

Fudan University

Completion of MDC1 Production Sample!

Cameron Dean

General Information

- Welcome to look into the MDC1 sample: more Cameron's talk
  - Volunteers on analysis welcomed. Some output are available for testing and exercise.
  - Thanks for responding to the call, many talks today: Zhaozhong Shi (MIT), Ming Liu (LANL), Han-sheng Li (Purdue), Sourav Tarafdar (Vanderbilt), Sebastian Tapia Araya (ISU), Dan Liz (Vertexing)
- Full list of topics: https://wiki.bnl.gov/sPHENIX/index.php/Heavy_Flavor_Topical_Group#Study_plans
- Recent HFTG status reports:
  - 10th sPHENIX Collaboration Meeting : https://indico.bnl.gov/event/10568/
  - BUP (sPH-TRG-2020-001): https://indico.bnl.gov/event/9301/
- Upcoming conference
  - APS Topical Group on Hadronic Physics (Apr. 13-16): https://indico.jlab.org/event/412/
  - DIS 2021 (Apr. 12 16): https://indico.bnl.gov/event/9726/
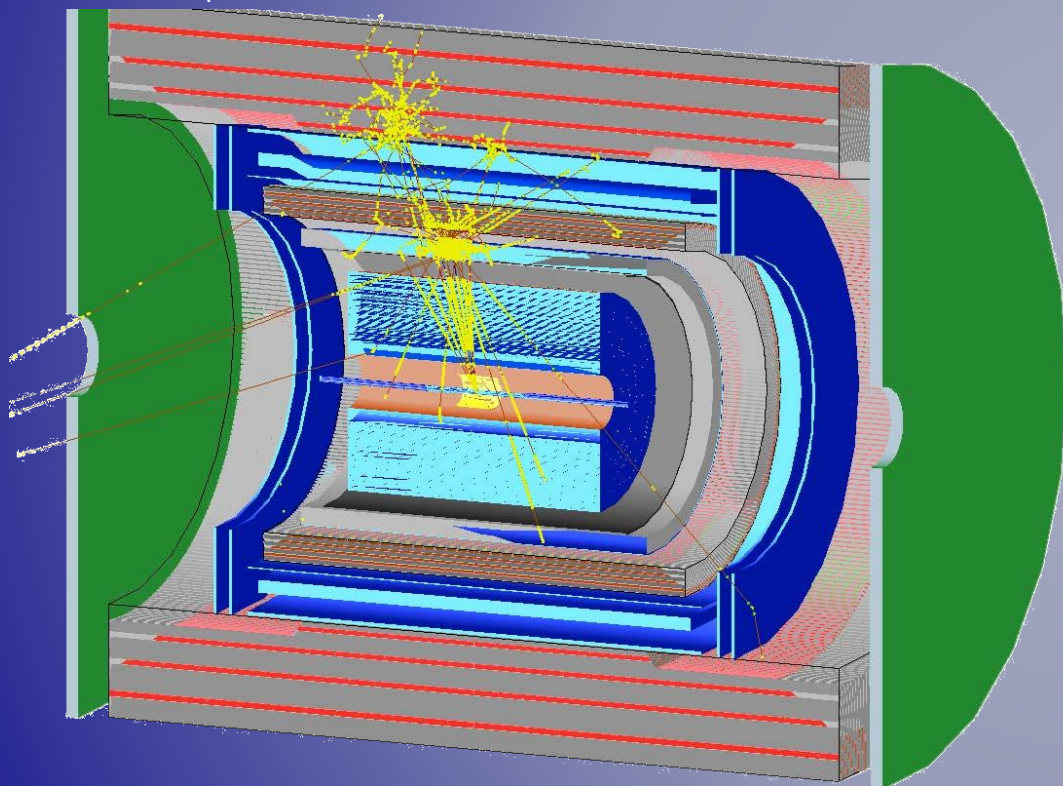 - Two abstracts submitted to sQM, (May 17-22)

MatterMost

- **Lots of discussions are ongoing on Mattermost!** Please join the topics you are interested in. We can also create a new group if your topic is not there yet.
  - MDC1: https://chat.sdcc.bnl.gov/sphenix/channels/hf-mdc1
  - [Revived] HF triggering : https://chat.sdcc.bnl.gov/sphenix/channels/hf-track-trigger
  - [Revived] HF jet track counting tagger: https://chat.sdcc.bnl.gov/sphenix/channels/hf-jet-tc-tagger
  - D^0: https://chat.sdcc.bnl.gov/sphenix/channels/hf-d0
  - Bs: https://chat.sdcc.bnl.gov/sphenix/channels/hf-bs
  - D-D correlation: https://chat.sdcc.bnl.gov/sphenix/channels/hf-d0d0
  - KFParticle: https://chat.sdcc.bnl.gov/sphenix/channels/kfparticle
  - (related) Tracking software: https://chat.sdcc.bnl.gov/sphenix/channels/tracking-software
  - (related) Tracking QA: https://chat.sdcc.bnl.gov/sphenix/channels/tracking-qa

Today's agenda:

20:00 → 20:20 **Introduction** ⏰ 20m
Speakers: Hideki Okawa (Fudan University) , Dr Jin Huang (Brookhaven National Lab)

20:20 → 20:40 **MDC1 status & updates** ⏰ 20m
Speaker: Cameron Dean (LANL)

20:40 → 21:00 **MDC1 studies & b-tag calibration** ⏰ 20m
Speaker: Dr Sebastian Tapia (Iowa State University)

21:00 → 21:20 **MDC1 studies: Lambda_c -> p + K- + pi+** ⏰ 20m
Speaker: Sourav Tarafdar (Vanderbilt University)

21:20 → 21:40 **Vertex performance with ACTS** ⏰ 20m
Speaker: Mr Daniel Lis (colorado.edu)

b-jet, E_T~30GeV

Extra information